12" Compound Miter Saw
(Model MS450)

INSTRUCTION MANUAL

PART NO. A05721 - 07-22-04

DELTA® ShopMaster™

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visit our website at: **www.deltamachinery.com.**

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For Parts, Service, Warranty or other Assistance,

please call 1-800-223-7278 (In Canada call 1-800-463-3582).

TABLE OF CONTENTS

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING Read and understand all warnings and operating instructions before using any tool or equipment. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Delta Machinery strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed.

If you have any questions relative to its application DO NOT use the product until you have written Delta Machinery and we have advised you.

Online contact form at **www.deltamachinery.com**

Postal Mail: Technical Service Manager
Delta Machinery
4825 Highway 45 North
Jackson, TN 38305

Information regarding the safe and proper operation of this tool is available from the following sources:

Power Tool Institute
1300 Sumner Avenue, Cleveland, OH 44115-2851
www.powertoolinstitute.org

National Safety Council
1121 Spring Lake Drive, Itasca, IL 60143-3201

American National Standards Institute, 25 West 43rd Street, 4 floor, New York, NY 10036 **www.ansi.org**
ANSI 01.1Safety Requirements for Woodworking Machines, and

the U.S. Department of Labor regulations **www.osha.gov**

SAVE THESE INSTRUCTIONS!

SAFETY GUIDELINES - DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.

⚠DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

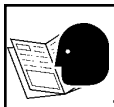
CALIFORNIA PROPOSITION 65

⚠WARNING **SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES** contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

· lead from lead-based paints,
· crystalline silica from bricks and cement and other masonry products, and
· arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear **MSHA/NIOSH** approved, properly fitting face mask or respirator when using such tools.

GENERAL SAFETY RULES



⚠WARNING READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. Failure to follow all instructions listed below, may result in electric shock, fire, and/or serious personal injury or property damage.

IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS INJURY.

1. **FOR YOUR OWN SAFETY, READ THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE.** Learning the machine's application, limitations, and specific hazards will greatly minimize the possibility of accidents and injury.
2. **WEAR EYE PROTECTION. ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses are NOT safety glasses. **USE CERTIFIED SAFETY EQUIPMENT.** Eye protection equipment should comply with ANSI Z87.1 standards, hearing equipment should comply with ANSI S3.19 standards, and dust mask protection should comply with MSHA/NIOSH certified respirator standards. Splinters, air-borne debris, and dust can cause irritation, injury, and/or illness.
3. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
4. **DO NOT USE THE MACHINE IN A DANGEROUS ENVIRONMENT.** The use of power tools in damp or wet locations or in rain can cause shock or electrocution. Keep your work area well-lit to prevent tripping or placing arms, hands, and fingers in danger.
5. **MAINTAIN ALL TOOLS AND MACHINES IN PEAK CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Poorly maintained tools and machines can further damage the tool or machine and/or cause injury.
6. **CHECK FOR DAMAGED PARTS.** Before using the machine, check for any damaged parts. Check for alignment of moving parts, binding of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or any other part that is damaged **should be properly repaired or replaced.** Damaged parts can cause further damage to the machine and/or injury.
7. **KEEP THE WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
8. **KEEP CHILDREN AND VISITORS AWAY.** Your shop is a potentially dangerous environment. Children and visitors can be injured.
9. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure that the switch is in the "OFF" position before plugging in the power cord. In the event of a power failure, move the switch to the "OFF" position. An accidental start-up can cause injury.
10. **USE THE GUARDS.** Check to see that all guards are in place, secured, and working correctly to prevent injury.
11. **REMOVE ADJUSTING KEYS AND WRENCHES BEFORE STARTING THE MACHINE.** Tools, scrap pieces, and other debris can be thrown at high speed, causing injury.
12. **USE THE RIGHT MACHINE.** Don't force a machine or an attachment to do a job for which it was not designed. Damage to the machine and/or injury may result.
13. **USE RECOMMENDED ACCESSORIES.** The use of accessories and attachments not recommended by Delta may cause damage to the machine or injury to the user.
14. **USE THE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. See the Extension Cord Chart for the correct size depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
15. **SECURE THE WORKPIECE.** Use clamps or a vise to hold the workpiece when practical. Loss of control of a workpiece can cause injury.
16. **FEED THE WORKPIECE AGAINST THE DIRECTION OF THE ROTATION OF THE BLADE, CUTTER, OR ABRASIVE SURFACE.** Feeding it from the other direction will cause the workpiece to be thrown out at high speed.
17. **DON'T FORCE THE WORKPIECE ON THE MACHINE.** Damage to the machine and/or injury may result.
18. **DON'T OVERREACH.** Loss of balance can make you fall into a working machine, causing injury.
19. **NEVER STAND ON THE MACHINE.** Injury could occur if the tool tips, or if you accidentally contact the cutting tool.
20. **NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the machine until it comes to a complete stop. A child or visitor could be injured.
21. **TURN THE MACHINE "OFF", AND DISCONNECT THE MACHINE FROM THE POWER SOURCE** before installing or removing accessories, before adjusting or changing set-ups, or when making repairs. An accidental start-up can cause injury.
22. **MAKE YOUR WORKSHOP CHILDPROOF WITH PADLOCKS, MASTER SWITCHES, OR BY REMOVING STARTER KEYS.** The accidental start-up of a machine by a child or visitor could cause injury.
23. **STAY ALERT, WATCH WHAT YOU ARE DOING, AND USE COMMON SENSE. DO NOT USE THE MACHINE WHEN YOU ARE TIRED OR UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR MEDICATION.** A moment of inattention while operating power tools may result in injury.
24. **TAKE PRECAUTIONS AGAINST DUST INHALATION.** The dust generated by certain woods and wood products can be injurious to your health. Always operate machinery in well-ventilated areas, and provide for proper dust removal. Use wood dust collection systems whenever possible.

ADDITIONAL SAFETY RULES FOR MITER SAWS

⚠WARNING **FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.**

1. **DO NOT OPERATE THIS MACHINE UNTIL** it is **assembled** and **installed** according to the instructions.
2. **OBTAIN ADVICE from your supervisor, instructor, or another qualified person** if you are not familiar with the operation of this machine.
3. **FOLLOW ALL WIRING CODES** and recommended electrical connections.
4 **MOUNT THE TOOL SECURELY** to a stable supporting surface prior to operation
5. **DO NOT OPERATE SAW WITHOUT GUARDS IN PLACE.** Check to see that they are in place, secured, and working correctly.
6. **USE ONLY CROSSCUT SAW BLADES.** Use only zero-degree or negative hook angles when using carbide-tipped blades. Do not use blades with deep gullets. These can deflect and contact the guard.
7. **USE ONLY BLADES OF THE CORRECT SIZE AND TYPE** specified for this tool.
8. **USE A SHARP BLADE.** Check blade to see if it runs freely and is free from vibration.
9. **INSPECT BLADE FOR CRACKS** or other damage prior to operation. Replace cracked or damaged blade immediately.
10. **CLEAN THE BLADE AND BLADE FLANGES** prior to operation. Check for any damage and tighten the arbor nut securely.
11. **USE ONLY BLADE FLANGES** specified for this tool.
12. **CLEAR THE AREA OF FLAMMABLE LIQUIDS** and/or gas prior to operation.
13. **CLEAN THE MOTOR AIR SLOTS** of chips and sawdust.
14. **TIGHTEN THE TABLE CLAMP HANDLE** and any other clamps prior to operation.
15. **NEVER START THE TOOL** with the workpiece against the blade.
16. **KEEP HANDS out of path** of saw blade. Clamp all workpieces that would require your hand to be in the "Table Hazard Zone" (within the red lines).
17. **ALLOW THE MOTOR to come to full speed** prior to starting cut.
18. **NEVER REACH AROUND** or behind the saw blade.
19. **NEVER CUT FERROUS METALS** or masonry.
20. **NEVER RECUT SMALL PIECES.**
21. **NEVER LOCK THE SWITCH** in the "ON" position.
22. **NEVER APPLY LUBRICANT** to a running blade.
23. **DO NOT PERFORM FREE-HAND OPERATIONS**. **Hold the work firmly against the fence and table. Use clamps** to hold the work when possible.
24. **PROPERLY SUPPORT LONG or wide workpieces.**
25. **AFTER COMPLETING CUT,** release power switch and wait for coasting blade to come to a complete stop before returning saw to raised position. Make sure saw cuttinghead returns freely to the full raised position to ensure the lower blade guard fully encloses the blade.
26. **TURN OFF TOOL AND ALLOW THE BLADE TO COME TO A COMPLETE STOP** prior to cleaning the blade area or removing debris in the path of the blade. A coasting blade can be dangerous.
27. **TURN OFF TOOL AND ALLOW BLADE TO COME TO A COMPLETE STOP** before removing or securing workpiece, changing workpiece angle, or changing the angle of the blade.
28. **NEVER PERFORM LAYOUT, ASSEMBLY,** or set-up work on the table/work area when the machine is running.
29. **TURN THE MACHINE "OFF" AND DISCONNECT THE MACHINE** from the power source before installing or removing accessories, before adjusting or changing set-ups, or when making repairs.
30. **TURN THE MACHINE "OFF",** disconnect the machine from the power source, and clean the table/work area before leaving the machine. **LOCK THE SWITCH IN THE "OFF" POSITION** to prevent unauthorized use.
31. **ADDITIONAL INFORMATION** regarding the safe and proper operation of this tool, including a miter saw safety video, is available from the Power Tool Institute, 1300 Summer Avenue, Cleveland, OH 44115-2851. Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201. Please refer to the American National Standards Institute ANSI 01.1 Safety Requirements for Woodworking Machines and the U.S. Department of Labor OSHA 1910.213 Regulations.

SAVE THESE INSTRUCTIONS.

Refer to them often and use them to instruct others

POWER CONNECTIONS

A separate electrical circuit should be used for your machines. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and matching receptacle which will accept the machine's plug. Before connecting the machine to the power line, make sure the switch (s) is in the "OFF" position and be sure that the electric current is of the same characteristics as indicated on the machine. All line connections should make good contact. Running on low voltage will damage the machine.

⚠DANGER DO NOT EXPOSE THE MACHINE TO RAIN OR OPERATE THE MACHINE IN DAMP LOCATIONS.

MOTOR SPECIFICATIONS

Your machine is wired for (see SPEC PLATE VOLTAGE), 60 HZ alternating current. Before connecting the machine to the power source, make sure the switch is in the "OFF" position.

GROUNDING INSTRUCTIONS

⚠DANGER THIS MACHINE MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

1. All grounded, cord-connected machines:

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the machine is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding type plugs and matching 3-conductor receptacles that accept the machine's plug, as shown in Fig. A.

Repair or replace damaged or worn cord immediately.

2. Grounded, cord-connected machines intended for use on a supply circuit having a nominal rating less than 150 volts:

If the machine is intended for use on a circuit that has an outlet that looks like the one illustrated in Fig. A**,** the machine will have a grounding plug that looks like the plug illustrated in Fig. A**.** A temporary adapter, which looks like the adapter illustrated in Fig. B, may be used to connect this plug to a matching 2-conductor receptacle as shown in Fig. B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like, extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. Whenever the adapter is used, it must be held in place with a metal screw.

NOTE: In Canada, the use of a temporary adapter is not permitted by the Canadian Electric Code.

⚠WARNING IN ALL CASES, MAKE CERTAIN THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE HAVE A QUALIFIED ELECTRICIAN CHECK THE RECEPTACLE.

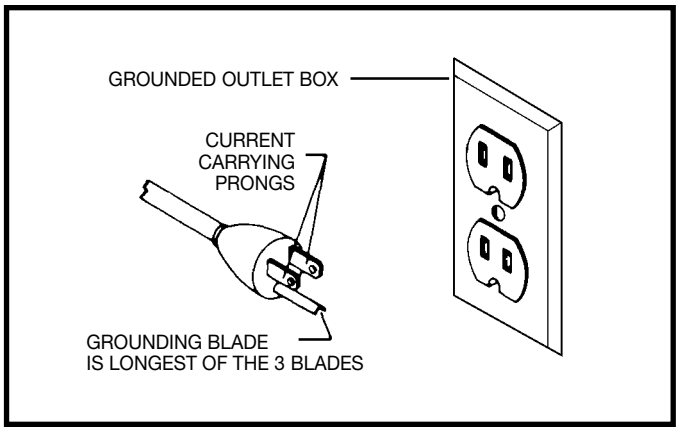


Fig. A

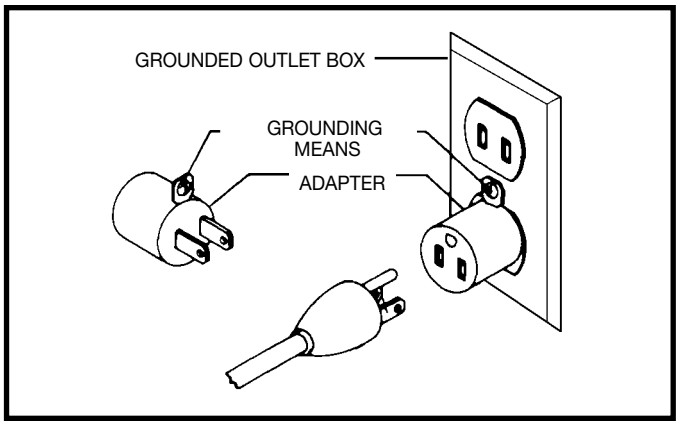


Fig. B

EXTENSION CORDS

⚠WARNING Use proper extension cords. Make sure your extension cord is in good condition and is a 3-wire extension cord which has a 3-prong grounding type plug and matching receptacle which will accept the machine's plug. When using an extension cord, be sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. The chart at right shows the correct gauge to use depending on the cord length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord. .

MINIMUM GAUGE EXTENSION CORD

RECOMMENDED SIZES FOR USE WITH STATIONARY ELECTRIC MACHINES

Ampere Rating	Volts	Total Length of Cord in Feet	Gauge of Extension Cord
0-6	120	up to 25	18 AWG
0-6	120	25-50	16 AWG
0-6	120	50-100	16 AWG
0-6	120	100-150	14 AWG
6-10	120	up to 25	18 AWG
6-10	120	25-50	16 AWG
6-10	120	50-100	14 AWG
6-10	120	100-150	12 AWG
10-12	120	up to 25	16 AWG
10-12	120	25-50	16 AWG
10-12	120	50-100	14 AWG
10-12	120	100-150	12 AWG
12-16	120	up to 25	14 AWG
12-16	120	25-50	12 AWG
12-16	120	GREATER THAN 50 FEET NOT RECOMMENDED	

FUNCTIONAL DESCRIPTION

FOREWORD

Delta ShopMaster Model MS450 is a high capacity 12" compound miter saw designed to cut wood and non-ferrous metals. The unit can crosscut 8" x 2¼" and 7" x 3¼", miter at 45° both left and right 5¼" x 2¼", bevel at 45° left 6¼" x 2¼" and 8" x 1¼", and compound 45° x 45°, 5¼" x 2 1/2" and 4¼" x 2¼". It has positive miter stops at 0°, 22.5°, 31.62°, and 45° both left and right, and bevel stops at 0° and 45° left.

NOTICE: THE PHOTO ON THE MANUAL COVER ILLUSTRATES THE CURRENT PRODUCTION MODEL. ALL OTHER ILLUSTRATIONS CONTAINED IN THE MANUAL ARE REPRESENTATIVE ONLY AND MAY NOT DEPICT THE ACTUAL COLOR, LABELING OR ACCESSORIES AND ARE INTENDED TO ILLUSTRATE TECHNIQUE ONLY.

CARTON CONTENTS

1 Work Clamp
2 Extension Bars (2)
3 3mm hex wrench
4 8mm/10mm wrench
5 Thumb screw (2)
6 Miter Handle
7 Thumb Screw for Sliding Fence
8 Sliding Fence
9 Set Screw M6 x 20mm
10 Stop Block
11 Wing Screw / Nuts (3)
12 Clamp Bracket (2)
13 Dust bag
14 Blade Wrench

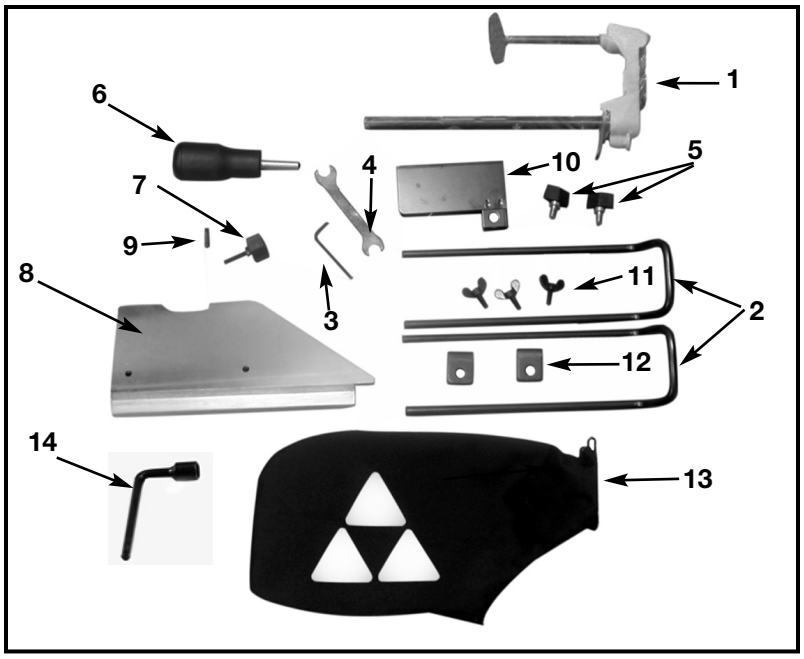


Fig. 2

UNPACKING

1. Carefully remove the machine from the carton. Retain all packing materials until you have inspected and satisfactorily operated the machine.

⚠WARNING **DO NOT OPERATE THIS MACHINE UNTIL YOU READ AND UNDERSTAND THE ENTIRE INSTRUCTION MANUAL.**

2. Unassembled items are shown in Fig. 2 for identification and use in assembling the saw.
3. Place the machine on a firm, level surface with extra room for handling and proper support of the workpiece.
4. Familiarize yourself with all features and controls explained in this manual.
5. The machine is shipped with the cuttinghead locked in the down position and the table rotated to 45° left, as shown in Fig. 3. To release the head and move it to the operating position, see **"MOVING CUTTINGHEAD TO THE UP POSITION"** and **"MOVING THE TABLE TO THE 0° CUT-OFF POSITION"** in this manual (Fig. 5 & 7).

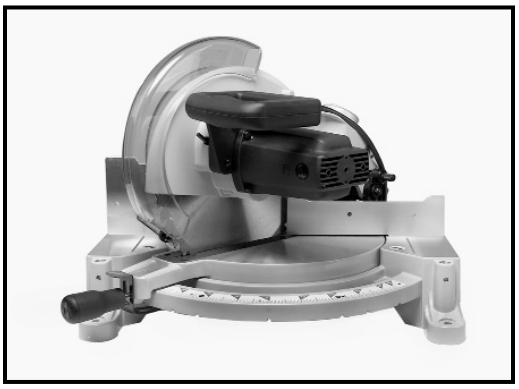


Fig. 3

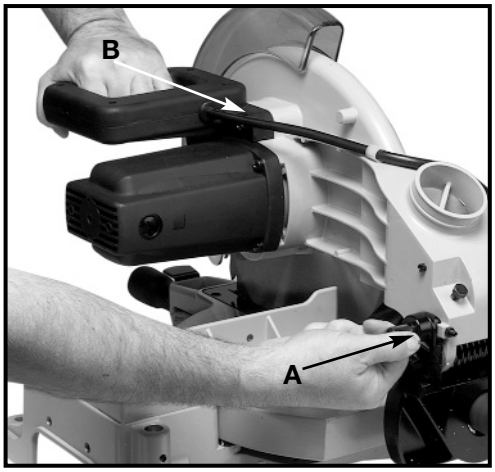


Fig. 4

ASSEMBLY

ASSEMBLY TOOLS REQUIRED

3mm hex wrench (supplied)

ASSEMBLY TIME ESTIMATE

Assembly time for this product will be about 30 minutes to an hour.

MOVING CUTTINGHEAD TO THE UP POSITION

1. Push down slightly on the cuttinghead (B) Fig. 4 while pulling out the cuttinghead lockpin (A). Move the cuttinghead (B) to the up position.
2. Fig. 5, illustrates the lockpin (A) pulled out and the cuttinghead (B) in the up position.

⚠WARNING MAKE SURE SAW CUTTINGHEAD RETURNS FREELY TO THE FULL RAISED POSITION TO ENSURE THE LOWER BLADE GUARD FULLY ENCLOSES THE BLADE.

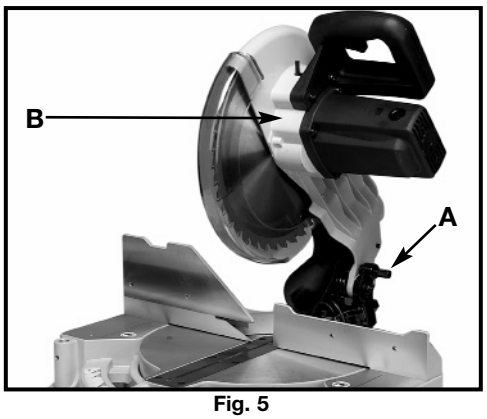


Fig. 5

ATTACHING THE MITER HANDLE

Thread the miter saw handle (A) Fig. 5A or (6) Fig. 2 into the hole in the table (B) Fig. 5A.

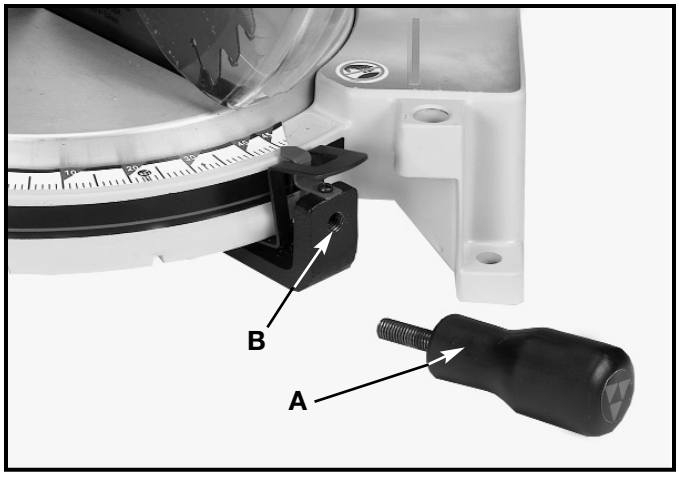


Fig. 5A

MOVING TABLE TO THE 0° CUT-OFF POSITION

1. Loosen locking knob (A) Fig. 6 by turning counter-clockwise. Depress lever (B) and rotate table (C) to the 0° straight cut-off position, release lever (B), and tighten locking knob (A).
2. Fig. 7 illustrates the table (C) in the 0° straight cut-off position.
3. For proper operation and adjustment of the table, refer to sections, **"ROTATING TABLE FOR MITER CUTTING",** and **"ADJUSTING SLIDING FIT BETWEEN MOVABLE TABLE AND BASE."**

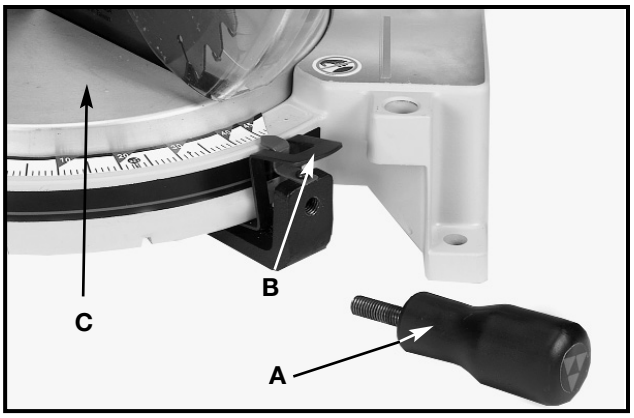


Fig. 6

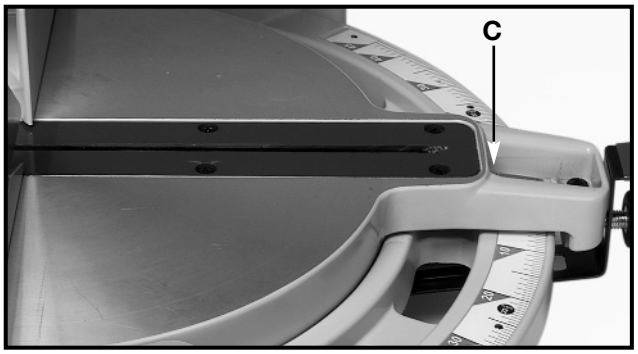


Fig. 7

ATTACHING THE EXTENSION WINGS

This machine uses two table extension wings to help support long or wide workpieces. To attach the wings:

1. Slide the stop block (A) Fig. 7A onto one wing (as shown in Fig. 7A) and thread a wing screw (B) Fig. 7A and (11) Fig. 2 into the hole on the side of the stop block.
2. Tighten wing screw (B) Fig. 7A.
3. Insert extension wing rods (C) Fig. 7A into holes in outer wall of saw as shown in Fig. 7A.
4. Thread wing screw (F) Fig. 7A into clamp bracket (E) as shown. Place clamp bracket over hole (D) and slide extension wing rod (C) through the clamp bracket (E). Be sure other extenson wing rod (C) is inserted through hole (G).
5. Tighten thumb screw (E) Fig. 7B.

NOTE: The right extension wing is installed the same way.

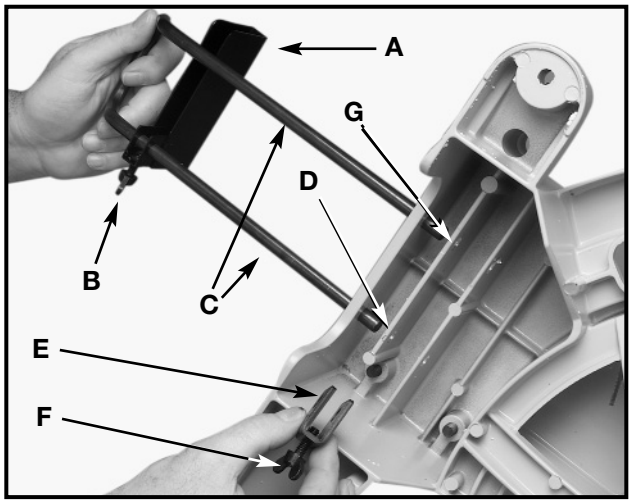


Fig. 7A

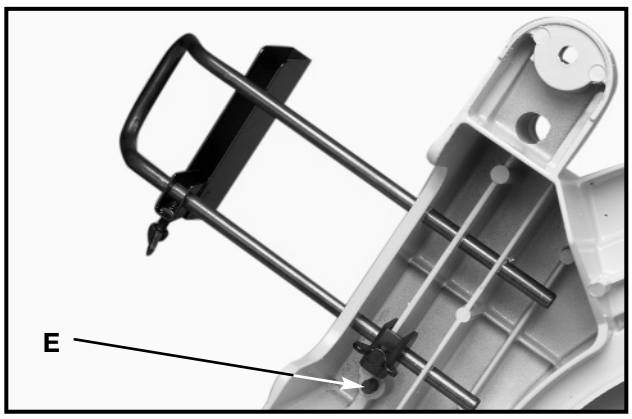


Fig. 7B

ATTACHING THE FENCE SLIDE

1. Position the sliding fence (E) Fig. 7C, on top of saw fence slide support(J). Install thumb screw (K) and set screw (L) but do not tighten at this time.
2. Slide fence (E) on fence slide support (J) Fig. 7D. Tighten set screw (L) with hex wrench (M) until it contacts the fence slide support, then loosen one turn. The purpose of this set screw is to prevent the sliding fence from coming completely off the slide support.

⚠WARNING IF SET SCREW (L) IS LEFT TIGHT THE SLIDING FENCE WILL NOT MOVE.

3. Slide fence to the desired position and tighten thumb screw (K).

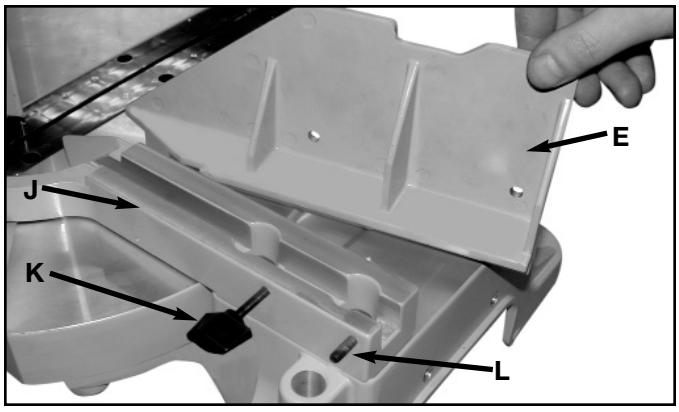


Fig. 7C

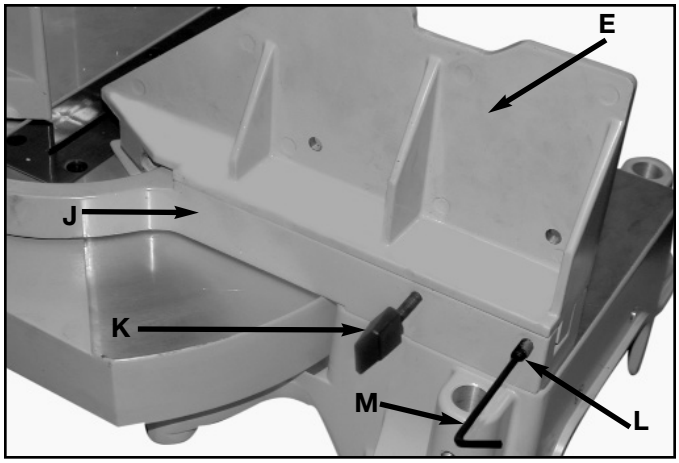


Fig. 7D

ATTACHING THE WORK CLAMP

Install work clamp assembly (F) Fig. 7E into desired mounting hole (G). Assemble thumb screw (H) but do not fully tighten at this time.

⚠WARNING MAKE SURE THAT FENCE (M) Fig. 7F AND WORK CLAMP (N) Fig. 7F ARE CLEAR OF GUARD AND BLADE (L) Fig. 7F BEFORE OPERATING SAW.

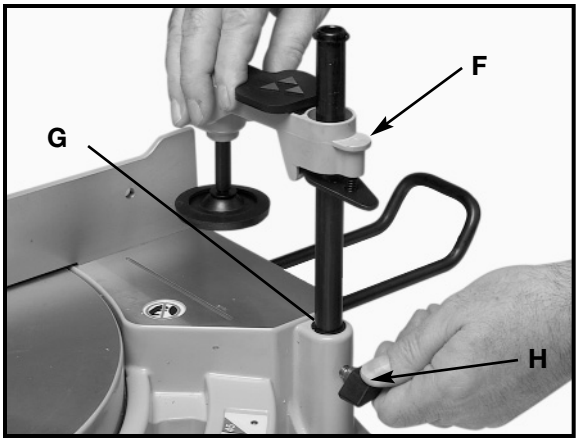


Fig. 7E

ATTACHING DUST BAG

Depress spring clips (A) Fig. 8, of dust bag (B) and clip dust bag (B) over rib of dust chute.

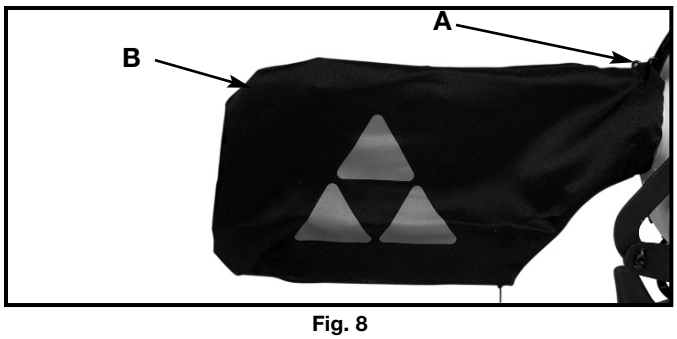


Fig. 8

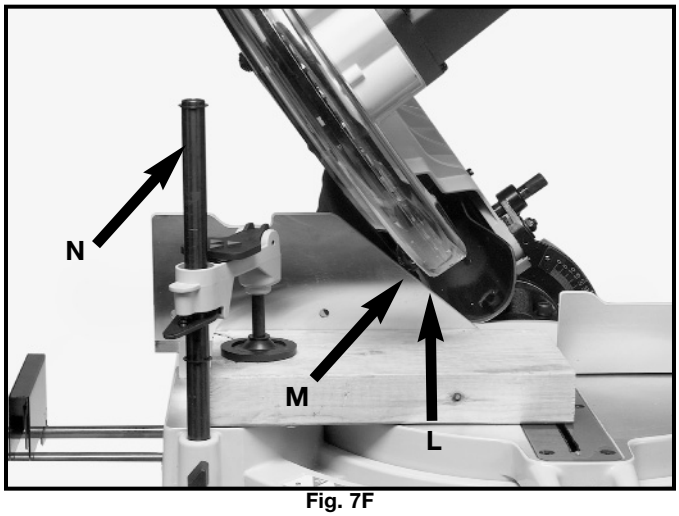


Fig. 7F

FASTENING MACHINE TO SUPPORTING SURFACE

Before operating your compound miter saw, firmly mount it to a workbench or other supporting surface. Four holes, (A) Fig. 9, are provided for fastening the saw to a supporting surface.

When frequently moving the saw from place to place, mount the saw to a 3/4" piece of plywood. The saw can then be easily moved from place to place and the plywood can be clamped to the supporting surface using "C" clamps.

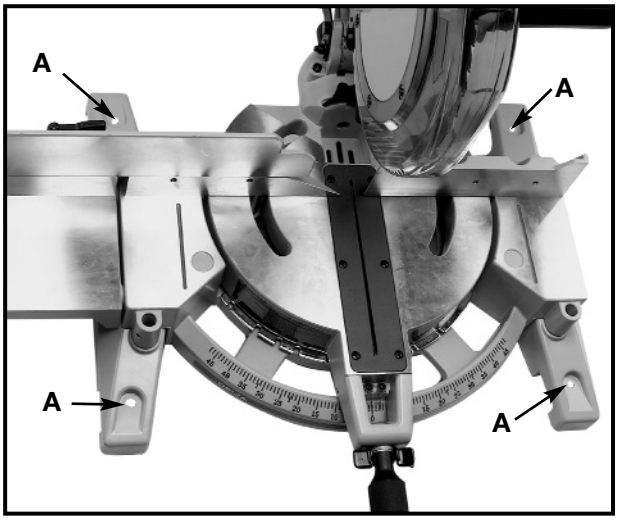


Fig. 9

OPERATIONS

OPERATIONAL CONTROLS AND ADJUSTMENTS

STARTING AND STOPPING MACHINE

To start the machine, depress switch trigger (A) Fig. 10. To stop the machine, release the switch trigger.

This saw is equipped with an automatic electric blade brake. As soon as the switch trigger (A) Fig. 10, is released, the electric brake is activated and stops the blade in seconds.

⚠WARNING A TURNING SAW BLADE CAN BE DANGEROUS. AFTER COMPLETING CUT, RELEASE SWITCH TRIGGER (A) FIG. 10, TO ACTIVATE BLADE BRAKE. KEEP CUTTINGHEAD DOWN UNTIL BLADE HAS COME TO A COMPLETE STOP.

⚠WARNING THE TORQUE DEVELOPED DURING BRAKING MAY LOOSEN THE ARBOR SCREW. THE ARBOR SCREW SHOULD BE CHECKED PERIODICALLY AND TIGHTENED IF NECESSARY.

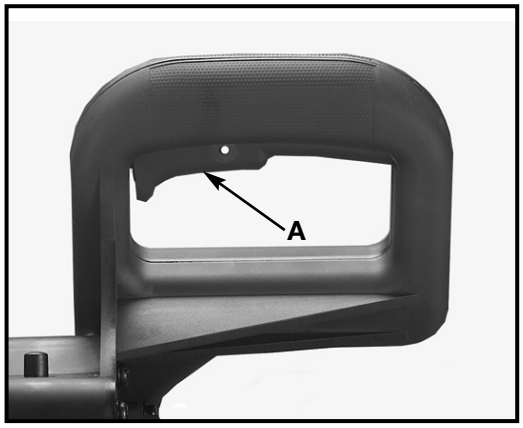


Fig. 10

LOCKING SWITCH IN THE "OFF" POSITION

IMPORTANT: When the miter saw is not in use, the switch should be locked in the OFF position using a padlock (B) Fig. 11, with a 3/16" diameter shackle to prevent unauthorized use of the saw.

In the event of a power outage, always lock switch in "OFF" position until the main power is restored.

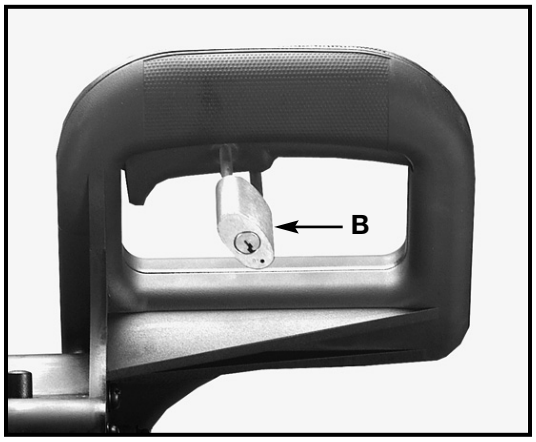


Fig. 11

ROTATING TABLE FOR MITER CUTTING

1. The compound miter saw will cut any angle from a straight 0° cut to 47° right and left. Turn locking knob (A) Fig. 12 counterclockwise, depress lock lever (B), and rotate table to desired position.
2. The compound miter saw is equipped with positive stops at the 0° cut-off position and at the 22.5°, 31.62°, and 45° left and right positions.
3. The center line, (C) Fig. 13, on the cursor indicates the actual angle of cut. Each scale line (B) represents 1°. In effect, when the center line (C) is moved from one line to the next on the scale, the angle of the cut is changed by 1°.
4. The pointer is provided with two additional lines (D) and (E), Fig. 13. This allows movement of the control arm exactly 1/2°. For example, assume the center line (C) is pointing to the 10° mark on the scale, as indicated, and and the angle of cut is 1/2° to the right. Move the control arm until the right line (E) lines up with the next line on the scale. The angle of cut will then be changed 1/2° to the right. If you change the angle of cut 1/2° to the left, use the left line (D) in the same manner.

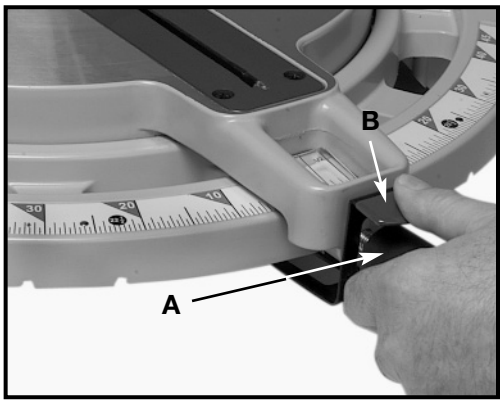


Fig. 12

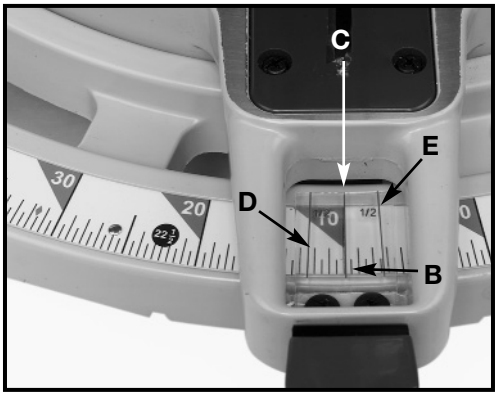


Fig. 13

ADJUSTING SLIDING FIT BETWEEN MOVABLE TABLE AND BASE

1. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**

2. To adjust the sliding fit between the movable table and the base, turn nut (A) Fig. 14, clockwise to increase the sliding fit (opposite to decrease the fit). This adjustment should not be so tight that it restricts the rotating movement of the table, or so loose that it affects the accuracy of the saw.

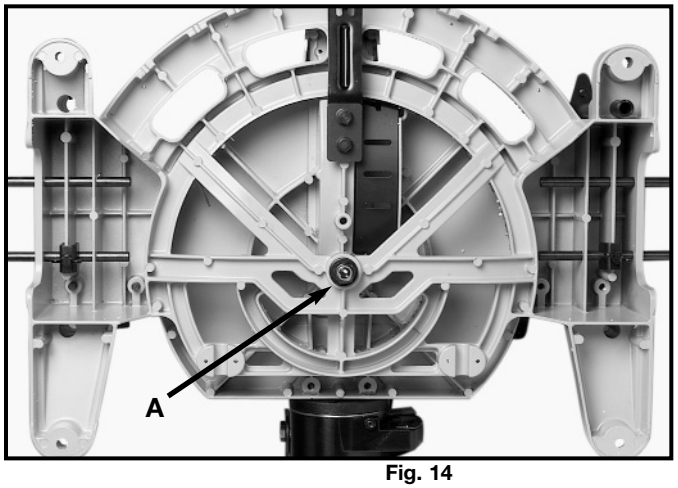


Fig. 14

ADJUSTING FENCE 90° TO BLADE

IMPORTANT: BEFORE MAKING THIS ADJUSTMENT, SET THE BLADE AT 0° TO THE TABLE. SEE SECTION "ADJUSTING 0° AND 45° BEVEL POSITIVE STOPS."

1. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**
2. Rotate the movable table so that the blade is 90° to the fence and the positive stop is set for 0°.
3. Place one end of a framing square (A) Fig. 15 against the front of the fence (B) and the other end against the blade (C), with the blade locked in the down position. The fence should be 90° to the blade.
4. If an adjustment is necessary, the fence, (B) Fig. 15, can be adjusted by loosening four screws, two of which are shown at (D), that attach the fence to the base. Use the wrench supplied. Adjust the fence (B), and tighten the four screws (D).
5. When the fence is 90° to the blade, adjust the cursor (F) Fig. 16, so the pointer is aligned with the 0° mark on the scale by loosening two screws, (G), adjusting cursor (F) and tightening screws (G).

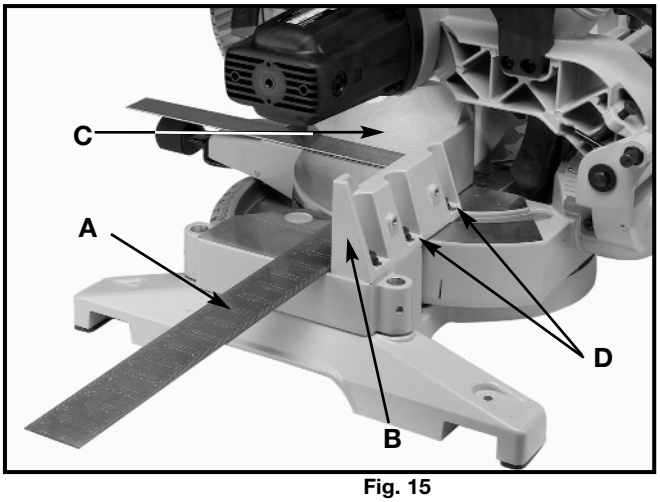


Fig. 15

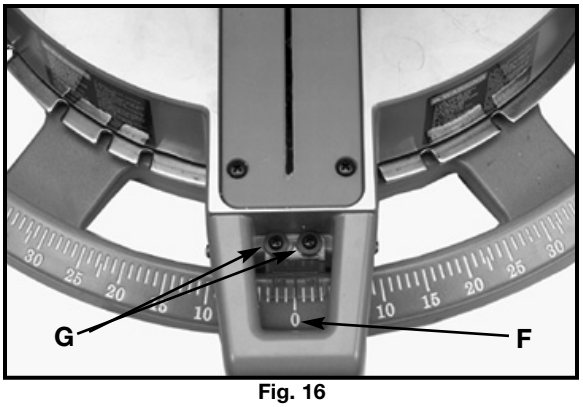


Fig. 16

TABLE HAZARD ZONE

⚠WARNING THE AREA INSIDE THE TWO RED LINES (A) FIG. 17 ON THE TABLE IS DESIGNATED AS A HAZARD ZONE. NEVER PLACE YOUR HANDS INSIDE THIS AREA WHILE THE TOOL IS BEING OPERATED. ALWAYS USE A CLAMP TO SECURE SHORT WORKPIECES.

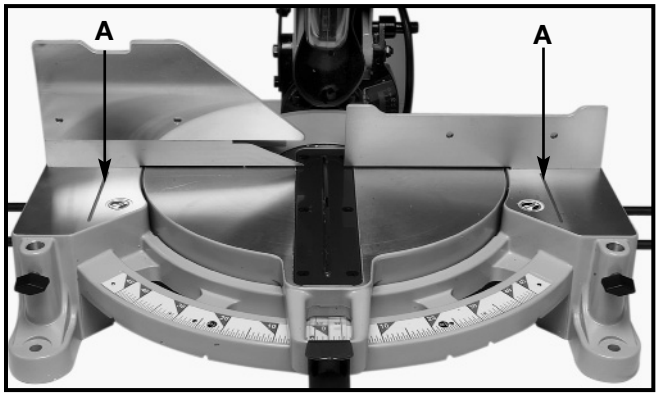


Fig. 17

TILTING CUTTINGHEAD FOR BEVEL CUTTING

IMPORTANT: MOVE THE SLIDING FENCE TO THE LEFT TO PROVIDE CLEARANCE FOR THE BLADE AND GUARD. THE DEGREES OF TILT DETERMINES HOW FAR TO MOVE THE SLIDING FENCE. REFER TO THE SECTION "ADJUSTING SLIDING FENCE."

1. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**
2. The cuttinghead of your compound miter saw can be tilted to cut any bevel angle from a 90° straight cut-off to a 45° left bevel angle. Loosen bevel lock handle (A) Fig. 18, tilt cuttinghead (B) to the desired angle, and tightening lock handle (A).
3. Positive stops are provided to rapidly position the saw blade at 90° and 45° to the table. Refer to the section of this manual titled **"Adjusting 0° and 45° bevel positive stops."** The bevel angle of the cutting arm is determined by the position of the pointer (C) Fig. 19, on scale (D).
4. In addition, a marked indicator (M) is provided on the bevel scale (33.9°) for cutting crown moulding. Refer to the **"CUTTING CROWN MOULDING"** section of this manual.

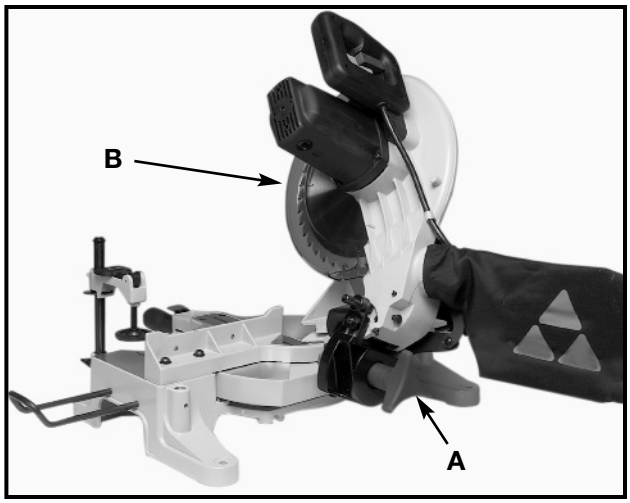


Fig. 18

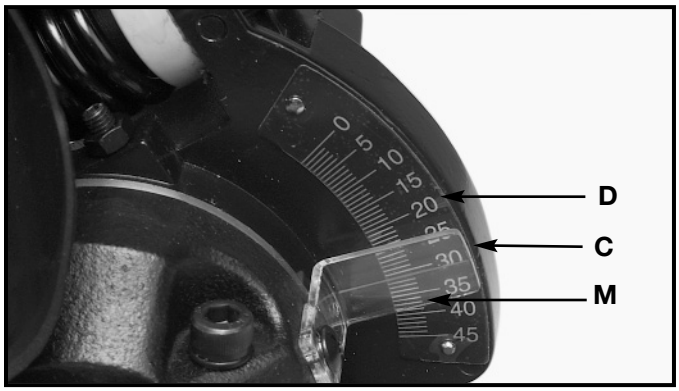


Fig. 19

ADJUSTING SLIDING FENCE AND WORK CLAMP

The high sliding fence (E) Fig. 20, provides support for extra large workpieces used with your saw and should always be set as close as possible to the saw blade. When miter cutting (set blade 90° to the table and at an angle to the right or left), the fence should be set all the way toward the blade, (Fig. 20). When bevel cutting, however (blade tilted at an angle to the table), the fence (M) Fig. 21, and the work clamp (N) Fig. 21 should be moved away from the blade to allow for proper clearance for the saw blade and guard (L) Fig. 21.

To reposition the fence, loosen the thumb screw (K) Fig. 20, and slide the fence to the desired location and tighten the thumb screw (K). To reposition the work clamp, loosen the thumb screw (P) Fig. 21, and reposition to the work to clear the blade and guard and tighten the thumb screw (P).

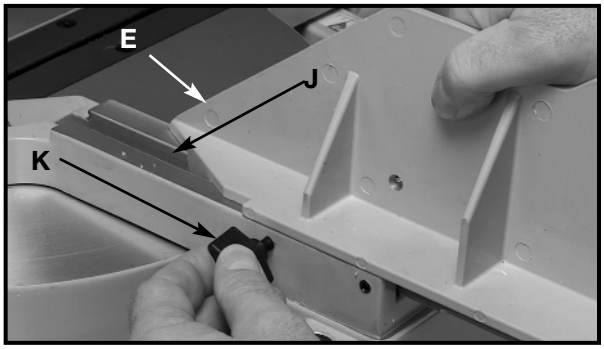


Fig. 20

⚠WARNING MAKE SURE THAT FENCE (M) Fig. 21 AND WORK CLAMP (N) Fig. 21 ARE CLEAR OF GUARD AND BLADE (L) Fig. 21 BEFORE OPERATING SAW.

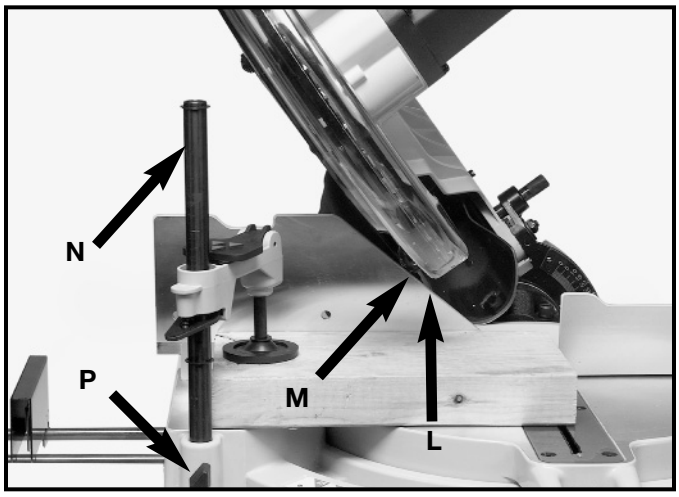


Fig. 21

ADJUSTING 0° AND 45° BEVEL POSITIVE STOPS

1. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**
2. Adjust saw so that both bevel and miter pointers are set at 0°. Tighten bevel lock handle and lock cuttinghead in down position.
3. Place one end of a square (A) Fig. 23 on the table and the other end against the blade. The blade should be set at 90° to the table.
4. If an adjustment is necessary, loosen bevel lock handle (H) Fig. 24. Loosen locknut (B) and turn adjusting screw (C), with wrenches provided, until blade is 90° to the table. Tighten locknut (B) and bevel lock handle (H).
5. When the blade is 90° to the table, adjust the pointer to line up with the 0° mark on the bevel scale.
6. Loosen bevel lock handle (H) Fig. 24, and move cuttinghead all the way to the left bevel position and tighten bevel lock handle.
7. Use a square (A) Fig. 25, to see if the blade is at 45° to the table.
8. If an adjustment is necessary, loosen the bevel lock handle. Loosen the locknut (E) Fig. 26, and turn the adjusting screw (F), with wrenches provided, until the blade is 45° to the table. Tighten locknut (E) and bevel lock handle.
9. These positive stops enable the operator to rapidly position the blade at the most common bevel angles to the table, 90° and 45°.

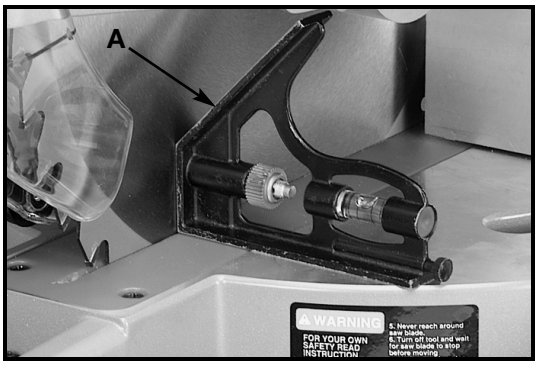


Fig. 23

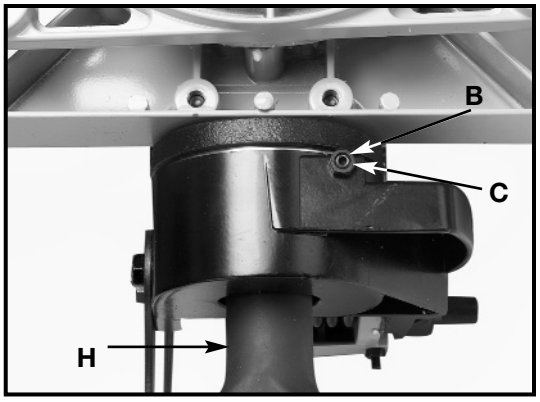


Fig. 24

Fig. 25

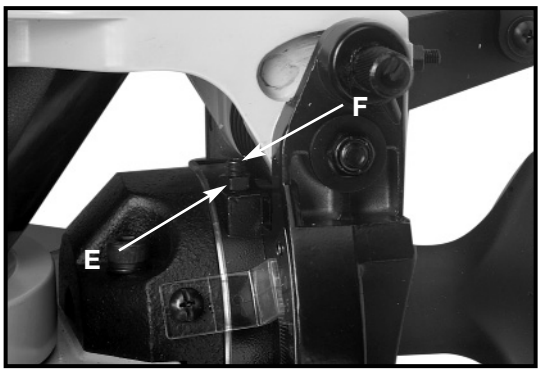


Fig. 26

ADJUSTING SLIDING FIT BETWEEN TRUNNION AND BEVEL BRACKET

After a long period of time, it may become necessary to adjust the sliding fit between the trunnion and the bevel bracket by tightening the adjusting nut (C), Fig. 27, located underneath the bevel lock knob (B) Fig. 27.

Correct adjustment provides for a good snug sliding fit between these two parts. This adjustment should not be so tight that it restricts the tilting movement of the trunnion when bevel cutting, or so loose that it affects the accuracy of the saw cut.

ADJUSTING THE TENSION OF CUTTINGHEAD RETURN SPRING

The tension of the cuttinghead return spring has been adjusted at the factory in order that the cuttinghead returns to the up position after a cut has been made. To adjust the spring tension, turn adjusting screw (A) Fig. 28, clockwise to increase or counterclockwise to decrease the spring tension.

⚠WARNING MAKE SURE SAW CUTTINGHEAD RETURNS FREELY TO THE FULL RAISED POSITION TO ENSURE THE LOWER BLADE GUARD FULLY ENCLOSES THE BLADE.

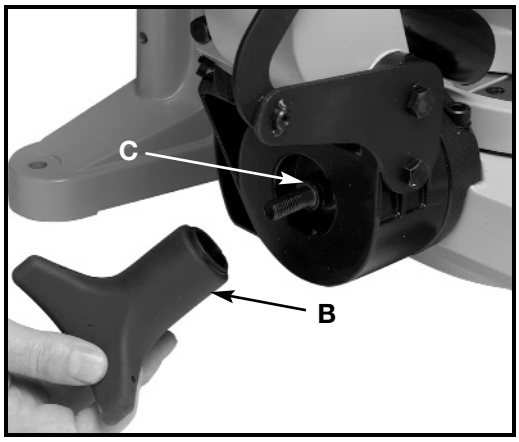


Fig. 27

ADJUSTING SLIDING FIT BETWEEN CUTTINGHEAD ARM AND TRUNNION

After a long period of time, an adjustment of the sliding fit between the cuttinghead arm (B) Fig. 28, and the trunnion (C) may be necessary. To adjust, tighten nut (D). Correct adjustment is a good snug sliding fit between these two parts. This adjustment should not be so tight that it restricts the sliding movement of the cuttinghead arm (B) or so loose that it affects the accuracy of the saw cut.

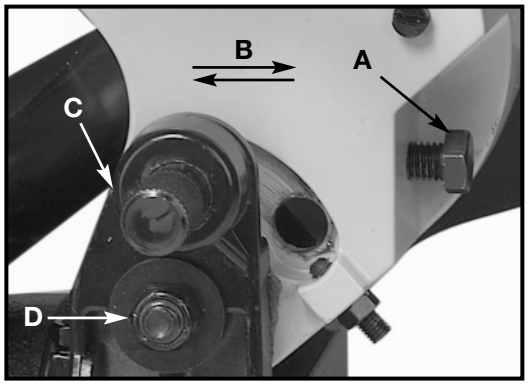


Fig. 28

ADJUSTING DOWNWARD TRAVEL OF SAW BLADE

1. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**
2. The downward travel of the saw blade can be limited to prevent the saw blade from contacting any metal surfaces of the machine. This adjustment is made by loosening locknut (A) Fig. 29, and turning adjusting screw (B) in or out until other end of screw (B) contacts stop (C) at the full downward travel of the saw blade.
3. Lower the blade as far as possible. Rotate the blade by hand to make certain the teeth do not contact any metal surfaces and adjust if necessary. After adjustment is completed, tighten locknut (A) Fig. 29.

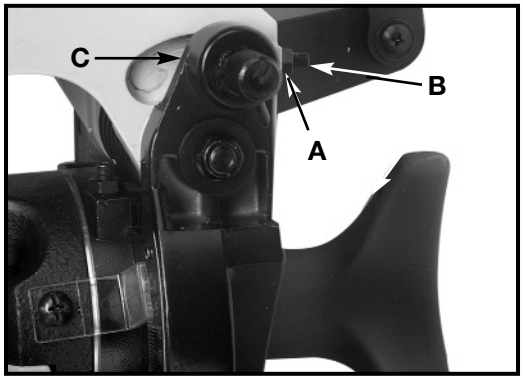


Fig. 29

ADJUSTING LOWER BLADE GUARD

After an extended period of use the movable lower blade guard (A) Fig. 30, may not operate smoothly when the cuttinghead is lowered. This can be corrected by adjusting nut (B) until the lower blade guard (A) moves freely.

⚠WARNING DO NOT OVERTIGHTEN THE NUT AS THIS COULD IMPAIR GUARD MOVEMENT.

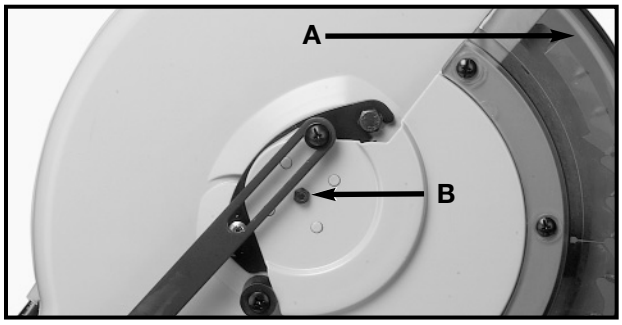


Fig. 30

ADJUSTING EXTENSION WINGS AND STOP BLOCK

The stop block can be used for cuting off several pieces to the same length. The edge of the workpiece (A) Fig. 30B should rest against the stop block as shown. To adjust the stop block to the proper measurement, loosen the wing screw (B) Fig. 30A, reset the stop block in the desired location and tighten the wing screw.

If the stop block (A) Fig. 30C is not needed, it can be moved out of the way so both extension wings can be used to support a long piece. To move the block, loosen the wing screw (B) Fig. 30C and move it out of the way as shown.

To adjust the extension wings (C) Fig. 30A to accommodate long workpieces, loosen the wing screw (D), reset the extension wing and tighten the wing screw. The extension wing rods should not be pulled out so far that they can't be clamped by the wing nut and bracket assembly (D).

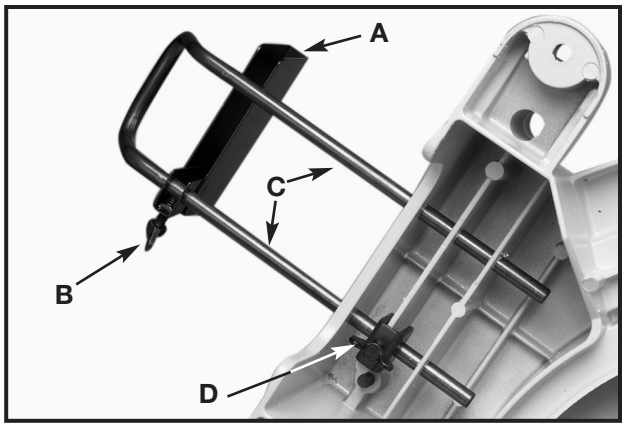


Fig. 30A

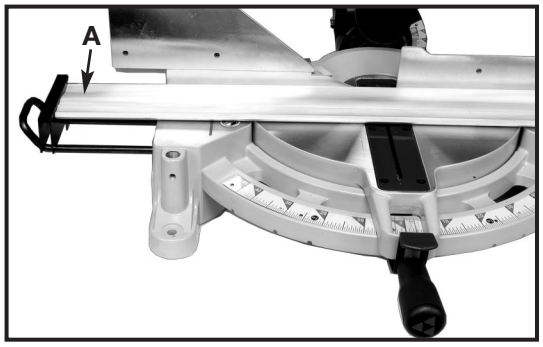


Fig. 30B

MACHINE USE

TYPICAL USAGE AND HELPFUL HINTS

1. Before cutting, make certain the cutting arm and table area are at their correct settings and firmly locked in place.
2. Before cutting, determine that the workpiece is the right size for the saw.
3. Place the workpiece on the table and hold or clamp it firmly against the fence.
4. If the size of the workpiece causes your hand to be inside the table hazard zone (see section **"TABLE HAZARD ZONE" SEE FIG. 17**), use a clamp to secure the workpiece.
5. For best results, cut at a slow, even cutting rate.
6. Never attempt any freehand cutting (wood that is not held firmly against the fence and table).

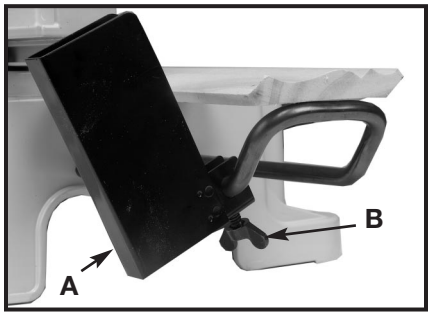


Fig. 30C

AUXILIARY WOOD FENCE

⚠WARNING When performing multiple or repetitive cut-off operations that result in small cut-off pieces (one inch or less), the saw blade can catch the cut-off pieces and project them out of the machine or into the blade guard and housing, possibly causing damage and/or injury. In order to limit the possibility of personal injury or blade guard damage, an auxiliary wood fence can be mounted to your saw as follows:

Holes are provided in the fence to attach an auxiliary

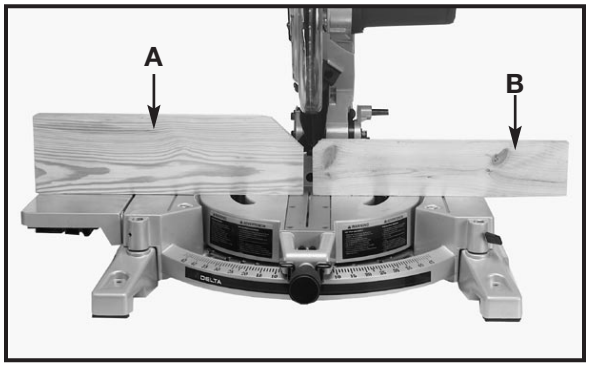


Fig. 31

fence (A) and (B) Fig. 31. This auxiliary fence is constructed of straight wood approximately 1/2" thick by 3" high by 16 inches long as shown at (B); and 1/2" thick by 5" high by 17" long (A) Fig. 31.

NOTE: The auxiliary fence (A) is used **only** with the saw blade in the 0° bevel position (90°) to the table. The auxiliary fence must be removed for all bevel cuts (blade tilted).

CUTTING ALUMINUM

Aluminum extrusions (aluminum screens and storm windows) can easily be cut with your miter saw. When cutting aluminum extrusions, or other sections that can be cut with a saw blade and are within the capacity of the machine, position the material so the blade is cutting through the smallest cross-section, as shown in Fig. 32. The wrong way to cut aluminum angles is illustrated in Fig. 33. Be sure to apply a stick wax (similar to Johnson's stick wax #140) to the blade before cutting any aluminum stock. This stick wax is available at most industrial mill supply houses. The stick wax provides proper lubrication and keeps chips from adhering to the blade.

⚠WARNING NEVER APPLY LUBRICANT TO THE BLADE WHILE THE BLADE IS RUNNING.

CUTTING BOWED MATERIAL

1. First check to see if the material is bowed. If it is, make sure the material is positioned on the table as shown in Fig. 34.
2. If the material is positioned the wrong way, as shown in Fig. 35, the workpiece will pinch the blade near the completion of the cut.

WORK SUPPORT EXTENSIONS

For support when cutting long pieces, construct a work support extension. Fig. 36 illustrates the miter saw mounted on two standard 2 x 4's (A). Fasten the four mounting legs (two of which are shown at (B) Fig. 36 to the 2 x 4's, using four screws (not supplied) through the four holes in the mounting legs. The length of the 2 x 4's (A) can vary, depending on the workpiece.

NOTE: MAKE SURE THAT THE TOP OF THE SUPPORT 2 X 4'S (C) ARE LEVEL WITH THE MITER SAW TABLE.

This is critical because the distance from the top of the 2 x 4's (A) to the miter saw table varies from saw to saw. In most cases, standard 2 x 4's (C) can used. If these are too high, cut them to fit. If the 2 x 4's are too low, use 2 x 6's. If these are high, cut them to the correct height.

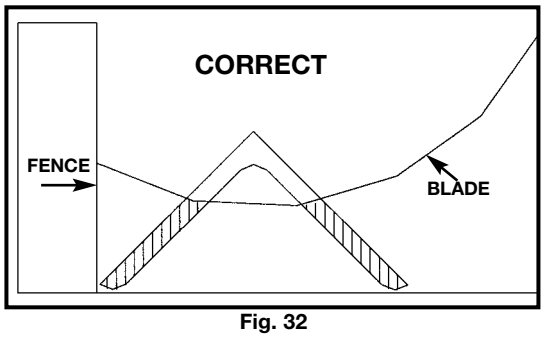


Fig. 32

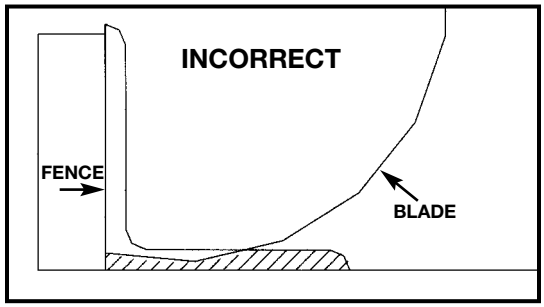


Fig. 33

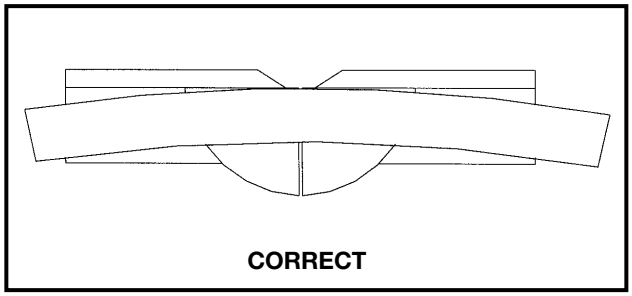


Fig. 34

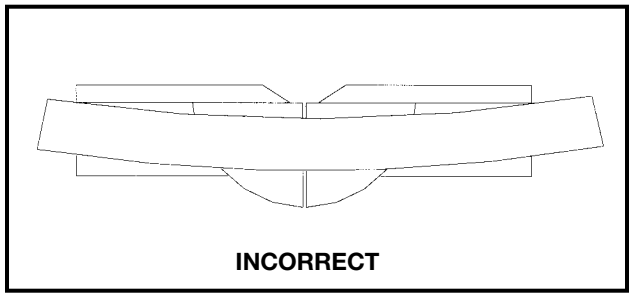


Fig. 35

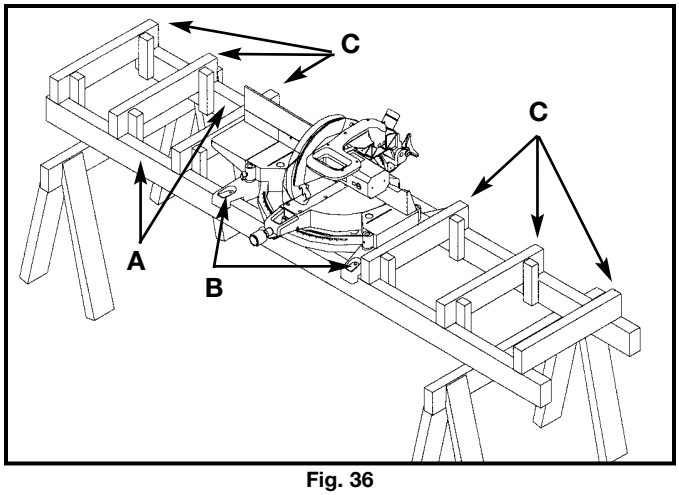


Fig. 36

CUTTING CROWN MOULDING

One of the many features of the saw is the ease of cutting crown moulding. The following is an example of cutting both inside and outside corners on **52°/38°** wall angle crown moulding.

1. Move the table to the 31.62° right miter position and lock the table in position. **NOTE:** A positive stop is provided to find this angle quickly.
2. Tilt the saw blade to the 33.86° left bevel position and tighten bevel lock handle. **NOTE:** A triangle indicator is provided on the bevel scale to find this angle quickly.
3. Place the crown moulding on the table with the **CEILING EDGE** of the moulding against the fence, and make the cut, as shown in Fig. 37.

NOTE: The piece of crown moulding used for the outside corner will always be on the right hand side of the blade, as shown at (A) Fig. 37. The piece of crown moulding used for the inside corner will always be on the left hand side of the blade, as shown at (B) Fig. 37.

4. To make the matching halves of the inside and outside corners, rotate the table to the 31.62° left miter position.

NOTE: A positive stop is provided to find this angle quickly. The saw blade is already tilted to the 33.86° bevel position from the previous cut.

5. Place the crown moulding on the table with the **WALL EDGE** of the crown moulding against the fence and make the cut. Again, the piece of crown moulding used for the outside corner will always be on the right side of the blade, as shown at (C) Fig. 38. The piece of crown moulding used for the inside corner will always be on the left side of the blade, as shown at (D) Fig. 38.
6. Fig. 39 illustrates the two outside corner pieces; (1) being the piece cut at (A) Fig. 37 and (2) being the piece cut at (C) Fig. 38.
7. Fig. 40 illustrates the two inside corner pieces; (1) being the piece cut at (B) Fig. 37, and (2) being the piece cut at (D) Fig. 38.

45-45 CROWN MOULDING

NOTE: If you are cutting crown moulding that is **45°-45°**, follow the same procedure above, with the exception that the bevel position will always be at 30° and the miter position will be 35-1/4° to the right or left.

OTHER ANGLES

NOTE: The above instructions are assuming the angle between the walls is 90°. If you need help cutting crown moulding for walls set at angles other than 90°, see the instruction sheet **"CUTTING CROWN MOULDING"** on the Delta Machinery web site at www.deltamachinery.com.

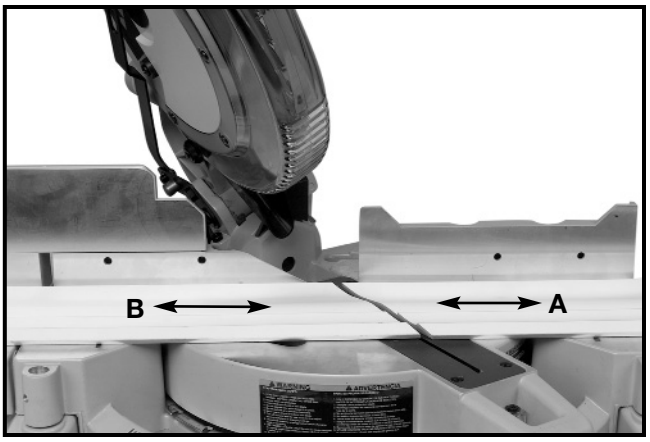


Fig. 37

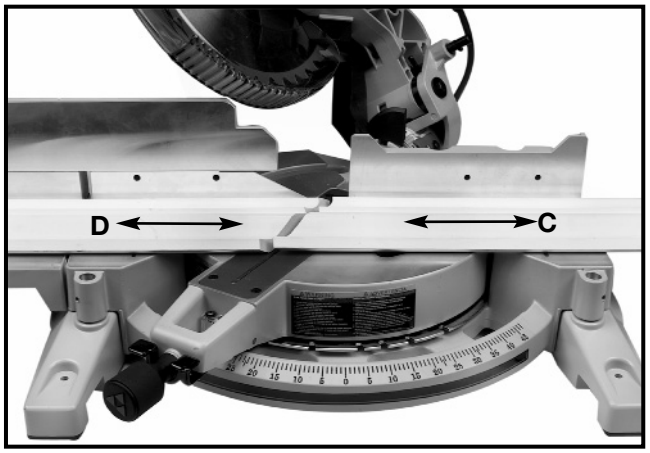


Fig. 38

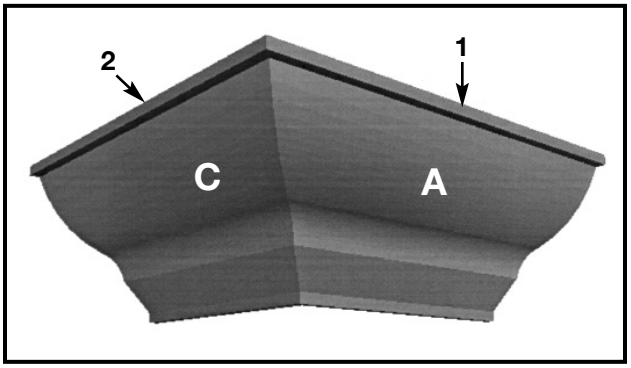


Fig. 39

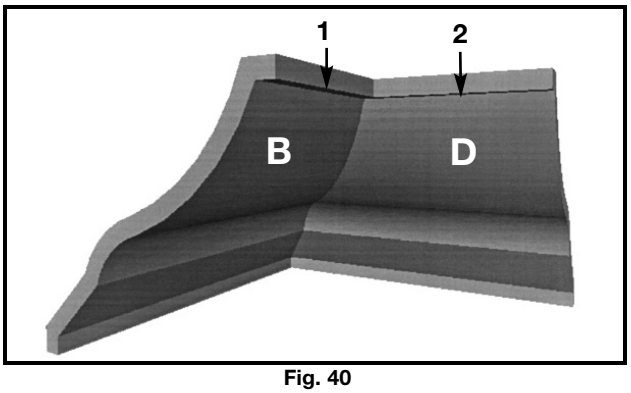


Fig. 40

TROUBLESHOOTING

For assistance with your machine, visit our website at **www.deltamachinery.com** for a list of service centers or call the DELTA Machinery help line at 1-800-223-7278 (In Canada call 1-800-463-3582).

MAINTENANCE

CHANGING THE BLADE

⚠WARNING USE ONLY CROSS-CUTTING SAW BLADES. DO NOT USE BLADES WITH DEEP GULLETS AS THEY CAN DEFLECT AND CONTACT GUARD

1. Use only 12" diameter blades with 1" arbor holes that are rated for 4000 RPM or higher.
2. **⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.**
3. Loosen screw (A) Fig. 41, with wrench provided.
4. Rotate arbor cover (C) Fig. 42, and lower guard (D) Fig. 43, to the rear, exposing arbor screw (E).
5. Remove arbor screw (E) Fig. 42, by turning screw clockwise with wrench supplied), while at the same time, pressing in on arbor lock (F) Fig. 43, to keep the arbor from turning. Remove outside blade flange (G) Fig. 42, and saw blade (H) Fig. 42. **DO NOT REMOVE INSIDE BLADE FLANGE.**
6. Attach the new saw blade **MAKING CERTAIN TEETH OF SAW BLADE ARE POINTING DOWN AT THE FRONT,** and attach outside blade flange (G) Fig. 42. Check to see that the flats on outside blade flange are engaged with flats on arbor shaft.
7. Thread arbor screw (E) Fig. 42, into saw arbor by turning screw (E) counterclockwise as far as possible by hand. Then tighten arbor screw (E) with wrench supplied while at the same time pressing in on arbor lock (F) Fig. 43, to keep arbor from turning.
8. Rotate arbor cover (C) Fig. 42, and lower guard (D) to the front and tighten screw (A) that was loosened in **STEP 3**.

⚠WARNING MAKE SURE BOTH ARBOR SCREW AND ARBOR COVER SCREW ARE SECURELY FASTENED BEFORE OPERATING THE SAW.

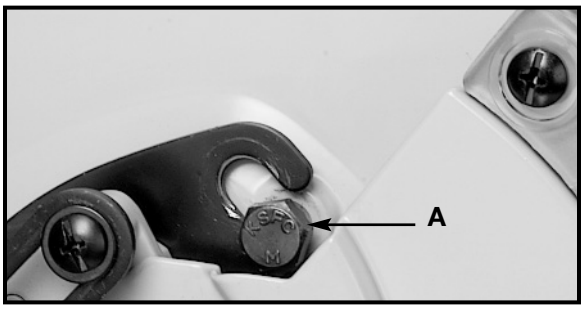


Fig. 41

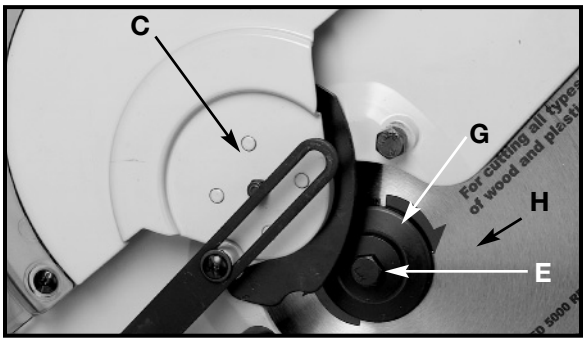


Fig. 42

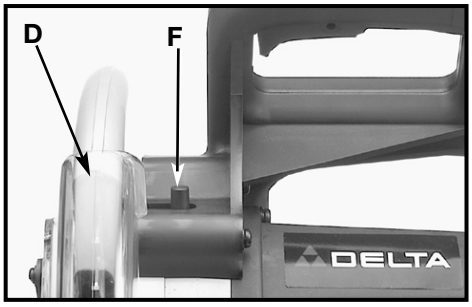


Fig. 43

BRUSH INSPECTION AND REPLACEMENT

⚠WARNING DISCONNECT THE MACHINE FROM THE POWER SOURCE.

Brush life varies, depends on the load on the motor. Check the brushes after the first 50 hours of use of a new machine, or after a new set of brushes has been installed.

After the first check, examine them after about 10 hours of use, until replacement is necessary.

The brush holders (A) Fig. 44, are located on the motor housing opposite each other. Fig. 45, illustrates one of the brushes removed for inspection. When the carbon on either brush (B) is worn to 3/16" in length, or if either spring or shunt wire (C) is burned or damaged in any way, replace both brushes. If the brushes are found serviceable after removing, reinstall them in the same position.

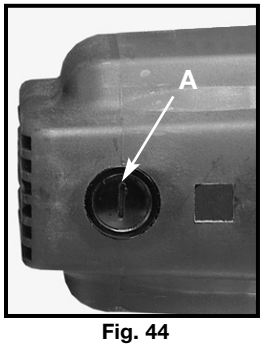


Fig. 44

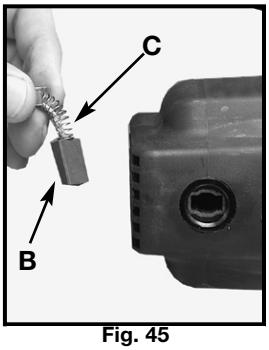


Fig. 45

KEEP TOOL CLEAN

Periodically blow out all air passages with dry compressed air. Clean all plastic parts with a soft damp cloth. NEVER use solvents to clean plastic parts. They could possibly dissolve or otherwise damage the material.

CAUTION: WEAR SAFETY GLASSES WHILE USING COMPRESSED AIR.

FAILURE TO START

Should your tool fail to start, check to make sure the prongs on the cord plug are making good contact with the outlet. Also, check for blown fuses or open circuit breakers in the line.

SERVICE

DELTA

PARTS, SERVICE OR WARRANTY ASSISTANCE

All Delta Machines and accessories are manufactured to high quality standards and are serviced by a network of Porter-Cable • Delta Factory Service Centers and Delta Authorized Service Stations. To obtain additional information regarding your Delta quality product or to obtain parts, service, warranty assistance, or the location of the nearest service outlet, please call 1-800-223-7278 (In Canada call 1-800-463-3582).

ACCESSORIES

A complete line of accessories is available from your Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Delta Authorized Service Stations. Please visit our Web Site **www.deltamachinery.com** for a catalog or for the name of your nearest supplier.

⚠WARNING Since accessories other than those offered by Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Delta recommended accessories should be used with this product.

WARRANTY

DELTA

Two Year Limited New Product Warranty

Delta will repair or replace, at its expense and at its option, any new Delta machine, machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a Delta factory service center or authorized service station with proof of purchase of the product within two years and provides Delta with reasonable opportunity to verify the alleged defect by inspection. For all refurbished Delta product, the warranty period is 180 days. Delta may require that electric motors be returned prepaid to a motor manufacturer's authorized station for inspection and repair or replacement. Delta will not be responsible for any asserted defect which has resulted from normal wear, misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Delta service facility or representative. Under no circumstances will Delta be liable for incidental or consequential damages resulting from defective products. This warranty is Delta's sole warranty and sets forth the customer's exclusive remedy, with respect to defective products; all other warranties, express or implied, whether of merchantability, fitness for purpose, or otherwise, are expressly disclaimed by Delta.

PORTER-CABLE • DELTA SERVICE CENTERS
(CENTROS DE SERVICIO DE PORTER-CABLE • DELTA)

Parts and Repair Service for Porter-Cable • Delta Machinery are Available at These Locations
(Obtenga Refaccion de Partes o Servicio para su Herramienta en los Siguientes Centros de Porter-Cable • Delta)

ARIZONA
Tempe 85282 (Phoenix)
2400 West Southern Avenue
Suite 105
Phone: (602) 437-1200
Fax: (602) 437-2200

CALIFORNIA
Ontario 91761 (Los Angeles)
3949A East Guasti Road
Phone: (909) 390-5555
Fax: (909) 390-5554

San Diego 92111
7638 Clairemnot Blvd.
Phone: (858) 277-9595
Fax: (858) 277-9696

San Leandro 94577 (Oakland)
3039 Teagarden Street
Phone: (510) 357-9762
Fax: (510) 357-7939

COLORADO
Arvada 80003 (Denver)
8175 Sheridan Blvd., Unit S
Phone: (303) 487-1809
Fax: (303) 487-1868

FLORIDA
Davie 33314 (Miami)
4343 South State Rd. 7 (441)
Unit #107
Phone: (954) 321-6635
Fax: (954) 321-6638

Tampa 33609
4538 W. Kennedy Boulevard
Phone: (813) 877-9585
Fax: (813) 289-7948

GEORGIA
Forest Park 30297 (Atlanta)
5442 Frontage Road,
Suite 112
Phone: (404) 608-0006
Fax: (404) 608-1123

ILLINOIS
Addison 60101 (Chicago)
400 South Rohlwing Rd.
Phone: (630) 424-8805
Fax: (630) 424-8895

Woodridge 60517 (Chicago)
2033 West 75th Street
Phone: (630) 910-9200
Fax: (630) 910-0360

MARYLAND
Elkridge 21075 (Baltimore)
7397-102 Washington Blvd.
Phone: (410) 799-9394
Fax: (410) 799-9398

MASSACHUSETTS
Franklin 02038 (Boston)
Franklin Industrial Park
101E Constitution Blvd.
Phone: (508) 520-8802
Fax: (508) 528-8089

MICHIGAN
Madison Heights 48071 (Detroit)
30475 Stephenson Highway
Phone: (248) 597-5000
Fax: (248) 597-5004

MINNESOTA
Minneapolis 55429
5522 Lakeland Avenue North
Phone: (763) 561-9080
Fax: (763) 561-0653

MISSOURI
North Kansas City 64116
1141 Swift Avenue
Phone: (816) 221-2070
Fax: (816) 221-2897

St. Louis 63119
7574 Watson Road
Phone: (314) 968-8950
Fax: (314) 968-2790

NEW YORK
Flushing 11365-1595 (N.Y.C.)
175-25 Horace Harding Expwy.
Phone: (718) 225-2040
Fax: (718) 423-9619

NORTH CAROLINA
Charlotte 28270
9129 Monroe Road, Suite 115
Phone: (704) 841-1176
Fax: (704) 708-4625

OHIO
Columbus 43214
4560 Indianola Avenue
Phone: (614) 263-0929
Fax: (614) 263-1238

Cleveland 44125
8001 Sweet Valley Drive
Unit #19
Phone: (216) 447-9030
Fax: (216) 447-3097

OREGON
Portland 97230
4916 NE 122 nd Ave.
Phone: (503) 252-0107
Fax: (503) 252-2123

PENNSYLVANIA
Willow Grove 19090
(Philadelphia)
520 North York Road
Phone: (215) 658-1430
Fax: (215) 658-1433

TEXAS
Carrollton 75006 (Dallas)
1300 Interstate 35 N, Suite 112
Phone: (972) 446-2996
Fax: (972) 446-8157

Houston 77043
4321 Sam Houston Parkway,
West
Suite 180
Phone: (713) 983-9910
Fax: (713) 983-6645

WASHINGTON
Auburn 98001(Seattle)
3320 West Valley HWY, North
Building D, Suite 111
Phone: (253) 333-8353
Fax: (253) 333-9613

Authorized Service Stations are located in many large cities. Telephone **800-438-2486** or **731-541-6042** for assistance locating one. Parts and accessories for Porter-Cable•Delta products should be obtained by contacting any Porter-Cable•Delta Distributor, Authorized Service Center, or Porter-Cable•Delta Factory Service Center. If you do not have access to any of these, call **800-223-7278** and you will be directed to the nearest Porter-Cable•Delta Factory Service Center. Las Estaciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llame al **800-438-2486** ó al **731-541-6042** para obtener asistencia a fin de localizar una. Las piezas y los accesorios para los productos Porter-Cable•Delta deben obtenerse poniéndose en contacto con cualquier distribuidor Porter-Cable•Delta, Centro de Servicio Autorizado o Centro de Servicio de Fábrica Porter-Cable•Delta. Si no tiene acceso a ninguna de estas opciones, llame al **800-223-7278** y le dirigirán al Centro de Servicio de Fábrica Porter-Cable•Delta más cercano.

CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

ALBERTA
Bay 6, 2520-23rd St. N.E.
Calgary, Alberta
T2E 8L2
Phone: (403) 735-6166
Fax: (403) 735-6144

BRITISH COLUMBIA
8520 Baxter Place
Burnaby, B.C.
V5A 4T8
Phone: (604) 420-0102
Fax: (604) 420-3522

MANITOBA
1699 Dublin Avenue
Winnipeg, Manitoba
R3H 0H2
Phone: (204) 633-9259
Fax: (204) 632-1976

ONTARIO
505 Southgate Drive
Guelph, Ontario
N1H 6M7
Phone: (519) 767-4132
Fax: (519) 767-4131

QUÉBEC
1515 ave.
St-Jean Baptiste, Suite 160
Québec, Québec
G2E 5E2
Phone: (418) 877-7112
Fax: (418) 877-7123

1447, Begin
St-Laurent, (Montréal),
Québec
H4R 1V8
Phone: (514) 336-8772
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